

WHAT IS CLAIMED IS:

1. A color chart for creating a color conversion definition for converting first color data representative of coordinate points in a first color space depending on an input device for entering image to obtain image data into second color data representative of coordinate points in a second color space independent of devices, in which a plurality of color patches different in color is arranged,

10 wherein said color chart includes color patches associated with all vertexes of a rectangular parallelepiped defined by a base coloring amount (QC_b , QM_b , QY_b) comprising combinations of minimum coloring amounts QC_b , QM_b and QY_b of monochromes of cyan, magenta and yellow 15 in a coloring amount space represented by three axes of coloring amounts of cyan, magenta and yellow, a maximum coloring amount QC_{max} of monochrome of cyan, a maximum coloring amount QM_{max} of monochrome of magenta M, and a maximum coloring amount QY_{max} of monochrome of yellow Y in 20 the coloring amount space, and in addition a color patch associated with an intermediate point located between two vertexes on a straight line coupling the two vertexes with one another, even if any two vertexes of the rectangular parallelepiped are selected.

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2. A color conversion definition creating method of creating a color conversion definition for converting

first color data representative of coordinate points in a
first color space depending on an input device for entering
image to obtain image data into second color data
representative of coordinate points in a second color space
5 independent of devices,

wherein a color chart is adopted to obtain the
second color data representative of coordinate points in
the second color space associated with a plurality of color
patches constituting said color chart, and also to obtain
10 the first color data representative of coordinate points in
the first color space associated with a plurality of color
patches constituting said color chart, through inputting
said color chart to said input device,

15 said color chart includes color patches associated
with all vertexes of a rectangular parallelepiped defined
by a base coloring amount (QC_b , QM_b , QY_b) comprising
combinations of minimum coloring amounts QC_b , QM_b and QY_b of
monochromes of cyan, magenta and yellow in a coloring
amount space represented by three axes of coloring amounts
20 of cyan, magenta and yellow, a maximum coloring amount QC_{max}
of monochrome of cyan, a maximum coloring amount QM_{max} of
monochrome of magenta M, and a maximum coloring amount QY_{max}
of monochrome of yellow Y in the coloring amount space, and
in addition a color patch associated with an intermediate
25 point located between two vertexes on a straight line
coupling the two vertexes with one another, even if any two
vertexes of the rectangular parallelepiped are selected,

and

the color conversion definition is created by association of said first color data with said second color data.

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THE END